

AMENDED CLAIMS

[received by the International Bureau on 20 April 2005 (20.04.2005);
claims 1-2-amended, claim 3 deleted]

What Is Claimed Is:

1. A centrifuge, comprising: a centrifugal motor; a rotor coupled to an output shaft of the centrifugal motor; and a rotor lever mounted to the rotor to rotatably support a bucket containing a sample therein, wherein the centrifuge further comprises:

an upper sensing plate provided below a rotating track of the bucket, the upper sensing plate moving upwards to spatially isolate the bucket;

weight sensing means provided under the upper sensing plate to sense a weight of the bucket seated on the upper sensing plate;

position sensing means to sense a predetermined high position and a predetermined low position of the upper sensing plate;

lift means to move both the upper sensing plate and the weight sensing means vertically; and

control means to control an operation of the centrifugal motor; to control the lift means using a signal output from the position sensing means, and to determine the weight of the bucket using a signal output from the weight sensing means.

2. The centrifuge according to claim 1, further comprising:

lift guide means to guide vertical movement of the lift means.

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